## **CLAIMS**

## What is claimed is:

1	1.	A method of executing a risk-assessment scan with a variable timeout
2		duration which is set based on network conditions, comprising:
3	a)	measuring network conditions in a network coupled between a source and a
4		target;
5	b)	executing a risk-assessment scan on the target from the source; and
6	c)	performing a timeout prior to making a determination that the target is failing
7		to respond to the risk-assessment scan;
8	d)	wherein the timeout includes a variable duration which is set as a function of
9		the measured network conditions.
1	2.	The method as recited in claim 1, wherein the network conditions include
2		latency associated with communication between the source and the target.
1	3.	The method as recited in claim 1, wherein measuring the network conditions
2		includes transmitting a probe signal from the source to the target utilizing the
3		network.
1	4.	The method as recited in claim 3, wherein the probe signal prompts the target
2		to send a response signal to the source utilizing the network.
1	5.	The method as recited in claim 4, wherein measuring the network conditions
2		further includes receiving the response signal from the target utilizing the
3		network

- 1 6. The method as recited in claim 5, wherein measuring the network conditions
- further includes measuring a response duration between the transmission of
- 3 the probe signal and the receipt of the response signal.
- 1 7. The method as recited in claim 6, wherein the timeout is set as a function of
- 2 the response duration.
- 1 8. The method as recited in claim 1, wherein the timeout is set by adding a
- default value with a variable value which is set as a function of the measured
- 3 network conditions.
- 1 9. The method as recited in claim 1, wherein the timeout is set by multiplying a
- default value with a variable factor which is set as a function of the measured
- 3 network conditions.
- 1 10. The method as recited in claim 1, wherein executing the risk-assessment scan
- 2 includes executing a plurality of risk-assessment scan modules.
- 1 11. The method as recited in claim 10, wherein the timeout is performed for each
- 2 of the risk-assessment scan modules.
- 1 12. The method as recited in claim 1, and further comprising storing a result of
- 2 the measurement of the network conditions.
  - 13. The method as recited in claim 1, and further comprising abandoning the
- 2 risk-assessment scan if the target fails to respond to the risk-assessment scan
- 3 within the variable duration.
- 1 14. A computer program product for executing a risk-assessment scan with a
- 2 variable timeout duration which is set based on network conditions,
- 3 comprising:

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4	a)	computer code for measuring network conditions in a network coupled
5		between a source and a target;

- 6 b) computer code for executing a risk-assessment scan on the target from the source; and
- 8 c) computer code for performing a timeout prior to making a determination that 9 the target is failing to respond to the risk-assessment scan;
- 10 d) wherein the timeout includes a variable duration which is set as a function of the measured network conditions.
- 1 15. The computer program product as recited in claim 14, wherein the network conditions include latency associated with communication between the source and the target.
- 1 16. The computer program product as recited in claim 14, wherein measuring the network conditions includes transmitting a probe signal from the source to the target utilizing the network.
- 1 17. The computer program product as recited in claim 16, wherein the probe 2 signal prompts the target to send a response signal to the source utilizing the 3 network.
- 1 18. The computer program product as recited in claim 17, wherein measuring the network conditions further includes receiving the response signal from the target utilizing the network.
- 1 19. The computer program product as recited in claim 18, wherein measuring the
  2 network conditions further includes measuring a response duration between
  3 the transmission of the probe signal and the receipt of the response signal.
- 1 20. The computer program product as recited in claim 19, wherein the timeout is set as a function of the response duration.

- 1 21. The computer program product as recited in claim 14, wherein the timeout is 2 set by adding a default value with a variable value which is set as a function
- 3 of the measured network conditions.
- 1 22. The computer program product as recited in claim 14, wherein the timeout is
- 2 set by multiplying a default value with a variable factor which is set as a
- function of the measured network conditions.
- 1 23. The computer program product as recited in claim 14, wherein executing the
- 2 risk-assessment scan includes executing a plurality of risk-assessment scan
- 3 modules.
- 1 24. The computer program product as recited in claim 23, wherein the timeout is
- 2 performed for each of the risk-assessment scan modules.
- 1 25. The computer program product as recited in claim 14, and further comprising
- 2 computer code for storing a result of the measurement of the network
- 3 conditions.
- 1 26. The computer program product as recited in claim 14, and further comprising
- 2 computer code for abandoning the risk-assessment scan if the target fails to
- 3 respond to the risk-assessment scan within the variable duration.
- 1 27. The computer program product as recited in claim 14, wherein the network
- 2 conditions are measured for a network segment, and the measured network
- 3 conditions are used to set the timeout for a plurality of targets located on the
- 4 network segment.

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- 28. A system for executing a risk-assessment scan with a variable timeout
- 2 duration which is set based on network conditions, comprising:

3	a)	logic for measuring network conditions in a network coupled between a
4		source and a target;
5	b)	logic for executing a risk-assessment scan on the target from the source; and
6	c)	logic for performing a timeout prior to making a determination that the target
7		is failing to respond to the risk-assessment scan;
8	d)	wherein the timeout includes a variable duration which is set as a function of
9		the measured network conditions.
1	29.	A method of executing a risk-assessment scan with a variable timeout
2		duration which is set based on network conditions, comprising:
3	a)	transmitting a probe signal from a source to a target utilizing a network, the
4		probe signal prompting the target to send a response signal to the source
5		utilizing the network;
6	b)	receiving the response signal from the target utilizing the network;
7	c)	measuring a response duration between the transmission of the probe signal
8		and the receipt of the response signal;
9	d)	executing a risk-assessment scan including a plurality of risk-assessment
10		scan modules;
11	e)	performing a timeout prior to making a determination that the target is failing
12		to respond to each of the risk-assessment scan modules, wherein the timeout
13		includes a variable duration which is set as a function of the response
14		duration; and
15	f)	abandoning the risk-assessment scan modules if the target fails to respond to
16		the risk-assessment scan modules within the variable duration.
1	30.	A computer program product for executing a risk-assessment scan with a
2		variable timeout duration which is set based on network conditions,
3		comprising:
4	a)	computer code for transmitting a probe signal from a source to a target
5		utilizing a network, the probe signal prompting the target to send a response
6		signal to the source utilizing the network;

7	b)	computer code for receiving the response signal from the target utilizing the
8		network;
9	c)	computer code for measuring a response duration between the transmission
10		of the probe signal and the receipt of the response signal;
11	d)	computer code for executing a risk-assessment scan including a plurality of
12		risk-assessment scan modules;
13	e)	computer code for performing a timeout prior to making a determination that
14		the target is failing to respond to each of the risk-assessment scan modules,
15		wherein the timeout includes a variable duration which is set as a function of
16		the response duration; and
17	f)	computer code for abandoning the risk-assessment scan modules if the target
18		fails to respond to the risk-assessment scan modules within the variable
19		duration.